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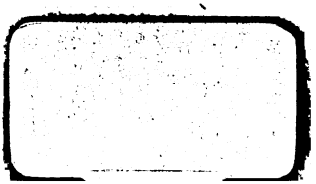
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A LIST OF

CHARLOTTE COUNTY PLANTS,

1887.

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THE GIFT OF
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A LIST OF

Flowering Plants and Ferns

FOUND IN

Charlotte County, New Brunswick

By J. VROOM

And other Members of the Botanical Committee of the Natural History Society of New Brunswick.

ST. STEPHEN, N. B.:

COURIER STEAM PRINTING HOUSE

1887

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NOTE.

This List is thought to contain the names of most of the Flowering Plants and Ferns found in Charlotte County up to the present time, with the exception of Sedges, which have not been carefully studied, and a few of the Pondweeds and Asters.

The greater part of the County, however, including almost the whole of the Parishes of Saint Croix, West Isles, Pennfield, Lepreaux, Clarendon, and Dumbarton, is still, so far as the writer is aware, unvisited by the plant collector; and, excepting Frye's Island, the site of a summer camp of the Natural History Society, the only sections that have been well examined are in the neighborhood of Saint Andrews and Saint Stephen. The accompanying notes of distribution, therefore, apply chiefly to the southwestern part of the mainland. The probability of having but few opportunities for field work in the future is the only excuse for presenting the list in such an imperfect state.

Prof. Macoun and Prof. Fowler have kindly determined difficult species. Thanks are due to several collectors for notes and specimens; especially to Mr. W. F. Ganong, by whose assistance the list has been much extended. For the defects of proof reading, the writer alone is responsible.

St. Stephen, March, 1887. J. V.

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CORRECTIONS.

Page 6, second column, line 36. For "*Madicago*," read "*Medicago*."
" " third column, line 58. For "Amalanchier," read "Amelanchier."
" 7, first column, line 9. For " oxycanthoides," read " oxyacanthoides."
" " " " " 15. For " CRASULACEÆ," read " CRASSULACEÆ."
" " " " " 33. For " Hippurus," read " Hippuris."
" 8, third column, line 11. For "*Anagalis*," read "*Anagallis*."

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LIST OF CHARLOTTE COUNTY PLANTS.

OCCURRENCE: *a*, abundant; *c*, common; *f*, frequent; *R*, rare in North America; *r*, rare in the Maritime Provinces; *s*, apparently scarce or local in Charlotte County.

LOCALITIES: A, St. Andrews; C, Campobello; D, St. David; E, Dumbarton; F, Dufferin; G, St. George; I, West Isles; J, St. James; M, Grand Manan; P, St. Patrick; Q, Pennfield; S, St. Stephen; St. Croix.

REMARKS: *b*, boreal forms, rarely or never found farther south; *d*, disappeared, or rapidly disappearing in the stations named; *g*, in gardens, spreading freely by seed, but scarcely escaped from cultivation; *i*, increasing; *o*, the only station yet known in New Brunswick; *w*, western or New England species not yet reported east of Charlotte County; *x*, railway or ballast plants not likely to be permanent, or garden weeds not suffered to remain; *y*, cultivated plants sometimes lasting for a year or two self-sown; *z*, persistent and troublesome where planted, but not known to be spreading by seed.

Parenthesis marks are used when specimens have not been seen by the writer, except in the case of Frye's Island plants (marked *) which are given an the authority of Mr. Hay and Mr. Brittain.

Where the names have been changed, numbers are given for reference to Prof. Fowler's List of 1885. The marks of uncertainty apply to the determination of species.

PHANEROGAMIA.

ANGIOSPERMÆ.

RANUNCULACEÆ.

Clematis
verticillaris DC *R* S
Virginiana L *c*
Thalictrum
polygamum Muhl *c* [4]
Anemone
dichotoma L *
nemorosa L *s*
Hepatica L *r* SE
Ranunculus
aquatilis var trichophyllus Gr *r* S
Flammula var reptans Mey
Cymbalaria Pursh SA(G)
abortivus L
sceleratus L *r* S
acris L a
repens L
hispidus Mx
Coptis
trifolia Salisb *a*
Aquilegia
vulgaris L SA
Actæa
alba Bigel *s*
spicata var rubra Ait *f*

BERBERIDACEÆ.

Berberis
vulgaris L z

NYMPHÆACEÆ.

Brasenia
peltata Pursh *f*
Nuphar
advena Ait *c*
Nymphæa
odorata Ait *f*
—— var minor Sims J

SARRACENIACEÆ.

Sarracenia
purpurea L *c*

PAPAVERACEÆ.

Papaver
somniferum L g
dubium L g

FUMARIACEÆ.

Dicentra
Cucullaria DC *s* G
Adlumia
cirrhosa Raf g
Corydalis
glauca Pursh *f*
Fumaria
officinalis L SA

CRUCIFERÆ.

Nasturtium
officinale RBr *r* S
palustre DC
Armoracia Fries z
Cardamine
pratensis L *R* P *od*
hirsuta L
Dentaria
diphylla Mx *s*
Sisymbrium
officinale Scop r S *i*
Brassica
Sinapistrum Boiss
nigra Koch
Hesperis
matronalis L g
Capsella
Bursa-Pastoris Mœnch a
Cakile
Americana Nutt *c*

VIOLACEÆ.

Viola
palmata var cucullata Gr *a* [68]
sagittata Ait G *o* ?
odorata L g
blanda Willd *c*
—— var palustriformis Gr?
—— var renifolia Gr ? [66]

primulifolia L A *o*
lanceolata L *s* (s)AG
pubescens Ait *s* SA *d*
canina var Muhlenbergii Gr *f* [69]
tricolor L A

POLYGALACEÆ.

Polygala
paucifolia Willd *r* s

CARYOPHYLLACEÆ.

Saponaria
officinalis L fl. pl. z
Vaccaria L s *d*
Silene
inflata Sm
Armeria L y
noctiflora L
Lychnis
Githago Lam
vespertina Sibth s *od*
Cerastium
viscosum L c
arvense L s A
Stellaria
media Sm a
longifolia Muhl ?
longipes Goldie *s*
borealis Bigel *r* SA
humifusa Rottb * *rb*
Arenaria
lateriflora L *c*
Sagina
procumbens L *c*
(nodosa E Meyer *r* MG)
Spergula
arvensis L c
Spergularia
salina Presl
media Presl

PORTULACACEÆ.

Portulaca
oleracea L r
Claytonia
Caroliniana Mx *s* SG

HYPERICACEÆ.

Hypericum
ellipticum Hook
perforatum L
mutilum L
Canadense L
Elodea
campanulata Pursh [107]

MALVACEÆ.

Malva
rotundifolia L r A *d*
moschata L
Hibiscus
Trionum L r s

TILIACEÆ.

Tilia
Americana L *s*

LINACEÆ.

Linum
usitatissimum L

GERANIACEÆ.

Geranium
pratense L A *g*
Carolinianum L *f*
Robertianum L *r* A
Oxalis
Acetosella L
corniculata var stricta Sav
Impatiens
fulva Nutt

ILICINEÆ.

Ilex
verticillata Gr *s* GS
Nemopanthes
Canadensis DC *f*

RHAMNACEÆ.

Rhamnus
alnifolia L'Her *s* J

SAPINDACEÆ.

Acer
Pennsylvanicum L
spicatum Lam
saccharinum Wang
rubrum L

ANACARDIACEÆ.

Rhus
typhina L *a*
Toxicodendron L *f*

LEGUMINOSÆ.

Madicago
lupulina L
Melilotus
alba Lam
officinalis Willd s
Trifolium
arvense L r D(I)
pratense L
repens L
hybridum L f i
agrarium L s JS(M)
procumbens L s AS(M)
Robinia
viscosa Vent z
Ornithopus
scorpioides DC R s *x*
Desmodium
Canadense DC *s* J
Vicia
sativa var angustifolia Ser
Cracca L *s*
Lathyrus
maritimus Bigel
paluster var myrtifolius
Amphicarpæa
monoica Ell *s* J
Apios
tuberosa Mœnch *s* JS

ROSACEÆ.

Prunus
(pumila L *r* G)
Pennsylvanica Lf *c*
Virginiana L
serotina Ehrh *r*
Spiræa
salicifolia L *c*
tomentosa L *a*
Rubus
odoratus L z
Chamæmorus L CM(QP)
Dalibarda L *a*
triflorus Rich
strigosus Mx
villosus var frondosus T
Canadensis L
hispidus L
Geum
album Gmel *r* s
strictum Ait *s* A(G)
rivale L *f*
Fragaria
Virginiana Duchesne
vesca L *s*
Potentilla
Norvegica L
argentea L *r* SFA
(arguta Pursh *r* s)
palustris Scop *c*
fruticosa L *r* JG(M)
tridentata Sol *f*
Anserina L
Canadensis var simplex Gr *c*
Agrimonia
Eupatoria L
Rosa
cinnamomea L z ?
micrantha Sm z
Carolina L *r*
lucida Ehrh [193]
nitida Willd *s* JP(G)
(humilis Marsh x) ?
Pirus
arbutifolia var melanocarpa Hook *c*
Americana DC *f*
Cratægus
tomentosa L
Amalanchier
Canadensis T&Gr *a*
—— var oblongifolia T
—— var oligocarpa Gr

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SAXIFRAGACEÆ.

Tiarella
cordifolia L *f*
Mitella
nuda L
Chrysosplenium
Americanum Schw
Ribes
oxycanthoides L
lacustre Poir *
rubrum var subglandulosum Max *r* J [212]
prostratum L'Her
floridum L'Her *r* J

CRASULACEÆ.

Sedum
acre L r A
Telephium L f zi
Rhodiola DC *r* MG *b*
Penthorum
sedoides L *r* S

DROSERACEÆ.

Drosera
rotundifolia L
intermedia var Americana DC S

HAMAMELACEÆ.

Hamamelis
Virginiana L *s* SFX

HALORAGEÆ.

Proserpinaca
palustris L *R* P *o*
Hippurus
vulgaris L *R* JP
Myriophyllum
tenellum Bigel *r* G
Callitriche
verna L *c*

ONAGRACEÆ.

Epilobium
spicatum Lam
palustre var lineare Gr
coloratum Muhl ?
Ludwigia
palustris Ell
Œnothera
biennis L
[Varieties undetermined.]
pumila L
Circæa
alpina L

UMBELLIFERÆ.

Hydrocotyle
Americana L *a*
Sanicula
Marilandica L J
Cicuta
maculata L *c*
bulbifera L *f*
Carum
Carui L s
Sium
cicutæfolium Gmel *c*
Osmorrhiza
brevistylis DC *s*
Ligusticum
Scoticum L *r* S(G)
Thaspium
aureum Nutt *r* *
Selinum
Canadense Mx *r* *
Cœlopleurum
Gmelini Ledeb *r* * [250]
Peucedanum
sativum B & Hk
Heracleum
lanatum Mx
Daucus
Carota L DS
Caucalis
nodosa Huds S *x*

ARALIACEÆ.

Aralia
racemosa L *s* A
hispida Vent
nudicaulis L
(trifolia Dec & Pl *r* P)

CORNACEÆ.

Cornus
Canadensis L *a*
circinata L'Her *s* A
sericea L *s* J
stolonifera Mx *a*
alternifolia Lf *s* A(G)

CAPRIFOLIACEÆ.

Sambucus
racemosa L
Canadensis L
Viburnum
lantanoides Mx *c*
Opulus L
acerifolium L S *w*
dentatum L JS *w*
cassinoides L *c*
Lentago L J *wo*
Linnæa
borealis Gronov *a*
Lonicera
cærulea L *f*
ciliata Muhl
Diervilla
trifida Mœnch

RUBIACEÆ.

Houstonia
cærulea L
Cephalanthus
occidentalis L J *wo*
Mitchella
repens L
Galium
Aparine L r *
trifidum var pusillum Gr
(—— var latifolium Tor G)
asprellum Mx
triflorum Mx

COMPOSITÆ.

Eupatorium
purpureum L
perfoliatum L
Solidago
latifolia L *s* A
bicolor L
(macrophylla Pursh G)
sempervirens L *s*
puberula Nutt *a*
speciosa Nutt *f*
rugosa Mill *a*
juncea Ait *s* ?
(serotina Ait P)
Canadensis L *a*
nemoralis Ait *a*
lanceolata L *a*
Aster
macrophyllus L
radula Ait
cordifolius L
sagittifolius Willd ?
diffusus Ait
salicifolius Ait ?
Novi-Belgii L ?
puniceus L
umbellatus Mill
acuminatus Mx
nemoralis Ait S(M)

[Probably others; species confused and uncertain.]

Erigeron
strigosus Muhl
Canadensis L
Antennaria
plantaginifolia Hook
Anaphalis
margaritacea B&Hk
Gnaphalium
(polycephalum Mx *r* X) ?
uliginosum L
Inula
Helenium L s S(FP)
Ambrosia
artemisiæfolia L *f*
Rudbeckia
hirta L f i

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Helianthus
annuus L *g*
tuberosus L *z*
Calendula
officinalis L *g*
Bidens
frondosa L *a*
Anthemis
Cotula L
Achillea
Millefolium L *a*
Chrysanthemum
Leucanthemum L *a*
Tanacetum
vulgare L *f*
Artemisia
biennis Willd s i
Tussilago
Farfara L *R* AS(Q) *i*
Senecio
aureus var Balsamitæ T&G
vulgaris L *a*
Erechtites
hieracifolia Raf *c*
Arctium
Lappa var minus Gr a
Cnicus
arvensis Hoffm a
lanceolatus Hoffm a
muticus Pursh
Centaurea
nigra L *s* A
Cyanus L *y*
Cichorium
Intybus L *s* S
Tragopogon
pratensis L *R* S *o*
Leontodon
autumnalis L *c*
Hieracium
Canadense Mx *r* G
scabrum Mx *c*
Prenanthes
serpentaria Pursh
altissima L ?
Picris
echioides L S *x*
Taraxacum
officinale Weber a
Lactuca
Canadensis L
leucophæa Gr *

Sonchus
oleraceus L
asper Vill
arvensis L

LOBELIACEÆ.

Lobelia
cardinalis L *f* JSD(PE)G *w*
Dortmanna L *f* JDG(M)
inflata L *c*

CAMPANULACEÆ.

Campanula
rapunculoides L *r* SA *z*
rotundifolia L *s* MG
aparinoides Pursh *r* GS

VACCINIACEÆ.

Gaylussacia
dumosa T&Gr *R* S
resinosa T&Gr *f*
Vaccinium
Pennsylvanicum Lam *a*
Canadense Kalm
corymbosum L *r* S
Vitis-Idæa L *a*
Oxycoccus
palustris Pers
macrocarpus Pursh *c*
Chiogenes
hispidula T&Gr *c*

ERICACEÆ.

Epigæa
repens L *f*
Gaultheria
procumbens L *c*
Andromeda
polifolia L *s*
Cassandra
calyculata Don *c*
Kalmia
angustifolia L *a*
glauca Ait *f*
Rhododendron
Rhodora Gmel *a*
Ledum
latifolium Ait *c*
Chimaphila
umbellata Nutt
Moneses
uniflora Gr *s*
Pyrola
secunda L
elliptica Nutt
rotundifolia L

MONOTROPEÆ.

Monotropa
uniflora L *c*
Hypopitys
lanuginosa Nutt *r* A *d*

PLUMBAGINACEÆ.

Statice
Limonium var Carolinia-
ana Gr *s*

PRIMULACEÆ.

Trientalis
Americana Pursh *c*
Steironema
ciliatum Raf
Lysimachia
stricta Ait *f*
thyrsiflora L *r* J
Glaux
maritima L
Anagalis
arvensis L *r* A

OLEACEÆ.

Fraxinus
Americana L
sambucifolia Lam
pubescens Lam *r* S

APOCYNACEÆ.

Apocynum
androsæmifolium L

ASCLEPIADACEÆ.

Asclepias
incarnata L

GENTIANACEÆ.

Gentiana
linearis var latifolia Gr J
[n. var.]
Halenia
deflexa Griseb *s*
Menyanthes
trifoliata L *s*
Limnanthemum
lacunosum Griseb *s*

(POLEMONIACEÆ.)

(Polemonium)
(cæruleum L *R* Q *wo*)

BORRAGINACEÆ.

Mertensia
maritima Don
Borrago
officinalis L *g* AS
Myosotis
laxa Lehm *
arvensis Hoffm A
Symphytum
officinale L S(Q) *z*

CONVOLVULACEÆ.

Convolvulus
sepium var Americanu
Sims *f*
arvensis L *r* S
Cuscuta
Gronovii Willd *s* S(G)

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SOLANACEÆ.

lanum
igrum L *r* S
Dulcamara L S *z*
ysalis
anceolata Mx S *u* ?
atura
Stramonium L *r* AS *d*
yoscyamus
iger L *s*

SCROPHULARIACEÆ.

erbascum
Thapsus L *f*
Blattaria L *r* A *d*
naria
Canadensis Dum *r* S *o*
vulgaris Mill
nelone
glabra L *c*
imulus
ringens L *c*
ysanthes
gratioloides Benth *s*
imosella
aquatica var tenuifolia Hoft
R S *wo*
eronica
Americana Schw *s*
scutellata L *c*
serpyllifolia L *a*
peregrina L *r* A
arvensis L s
agrestis L s
Buxbaumii Ten S *o*
uphrasia
officinalis L *s*
hinanthes
Crista-galli L *c*
elampyrum
Americanum Mx

OROBANCHACEÆ.

piphegus
Virginiana Bart *f*

LENTIBULARIACEÆ.

tricularia
vulgaris L *c*
intermedia Hayne *r* PS
cornuta Mx *s*

VERBENACEÆ.

erbena
hastata L *f*

LABIATÆ.

lentha
viridis L z
Canadensis L
ycopus
Virginicus L
sinuatus Ell
Satureia
hortensis L y
Hedeoma
pulegioides Pers *c*
Nepeta
Cataria L s D
Glechoma Benth
Scutellaria
lateriflora L
galericulata L
Brunella
vulgaris L *a*
Leonurus
Cardiaca L g
Lamium
amplexicaule L A *o*
Galeopsis
Tetrahit L a
Stachys
palustris L *f* ?

PLANTAGINACEÆ.

Plantago
major L a
maritima L *b* ?
decipiens Bar
lanceolata L
Littorella
lacustris L *R* G *o*

AMARANTACEÆ.

Amarantus
retroflexus L

CHENOPODIACEÆ.

Chenopodium
album L
capitatum B & Hk
Atriplex
patula var hastata Gr ?
Salicornia
herbacea L
Suæda
linearis var ramosa Watson [516]
Salsola
Kali L

POLYGONACEÆ.

Polygonum
aviculare L *a*
amphibium L G(QX) [524]
Hartwrightii Gr
Persicaria L
Hydropiper L
hydropiperoides Mx *r* S
arifolium L *r* S
sagittatum L *f*
Convolvulus L
cilinode Mx
dumetorum var scandens Gray *f*
Fagopyrum
esculentum Mœnch y
Rumex
Britannicus L [536]
crispus L f
obtusifolius L r S
Acetosella L a

(SANTALACEÆ.)

(Comandra)
(livida Richn *r* G)

EUPHORBIACEÆ.

Euphorbia
maculata L S *o*
Helioscopia L s S *u*
Cyparissias L s SA(G) *z*

URTICACEÆ.

Ulmus
Americana L
Cannabis
sativa L y
Urtica
gracilis Ait
urens L R A
Laportea
Canadensis Gaud

MYRICACEÆ.

Myrica
Gale L *c*
cerifera L S *d*
asplenifolia Endl *f*

CUPULIFERÆ.

Betula
lenta L
lutea Mx f *c*
alba var populifolia Spach
papyracea Ait *c*
Alnus
incana Willd *a*
viridis DC *c*
Ostrya
Virginica Willd *r*
Corylus
rostrata Ait *f*
Quercus
rubra L *s*
Fagus
ferruginea Ait *a*

SALICACEÆ.

Salix
humilis Muhl
discolor var eriocephala Anders *c*
petiolaris Sm *r* S
cordata Muhl
(balsamifera Barr G) [587]
rostrata Rich [580]
lucida Muhl
(myrtilloides L G)

Google

Populus
tremuloides Mx *a*
grandidentata Mx *f*
balsamifera var candicans Gr *r* J
alba L z

EMPETRACEÆ.

Empetrum
nigrum L *s* CM(G) *b*

HYDROCHARIDACEÆ.

Vallisneria
spiralis L s *od*

ORCHIDACEÆ.

Microstylis
ophioglossoides Nutt *f*
Liparis
Lœselii Rich *R* A(IG)
Corallorhiza
innata RBr *s*
multiflora Nutt
Listera
(cordata RBr *r* G)
convallarioides Nutt *r* A *d*
Spiranthes
Romanzoffiana Cham *f*
Goodyera
repens RBr *s* JSDG
pubescens RBr *r* D
Arethusa
bulbosa L *s* XS
Calopogon
pulchellus RBr *s* S
Pogonia
ophioglossoides Nutt *s* S
Habenaria
tridentata Hook *s* (S)G
hyperborea RBr *r* J(G)
obtusata Richn *r* G
Hookeri Torr *s* S
orbiculata Torr *s* GS
blephariglottis Hook *s* S
psycodes Gr *f*
fimbriata RBr *r* (S)D ?
Cypripedium
spectabile Swz *r* J
acaule Ait *f*

IRIDACEÆ.

Iris
versicolor L *a*
Sisyrinchium
anceps L ? [638]

LILIACEÆ.

Smilax
herbacea L *s* JS
Polygonatum
biflorum Ell *s* S
Streptopus
amplexifolius DC
roseus Mx *c*
Smilacina
racemosa Desf *s* A
trifolia Desf *f*
Maianthemum
Canadense Desf *a* [646]
Allium
Schœnoprasum L *s* G
Lilium
Canadense L *c*
Erythronium
Americanum Sm *s* AS
(Tofieldia)
(glutinosa Willd *r* G)
Oakesia
sessilifolia Wats *f* [653]
Clintonia
borealis Raf *c*
Medeola
Virginiana L *f*
Trillium
erectum L *f*
cernuum L *s*
erythrocarpum Mx *f*

PONTEDERIACEÆ.

Pontederia
cordata L *f*

XYRIDACEÆ.

Xyris
flexuosa var pusilla Gr *r* S

JUNCACEÆ.

Juncus
effusus L *a*
filiformis L
Balticus var littoralis Eng ?
bufonius L
(Gerardi Lois G)
tenuis Willd *a*
pelocarpus E Meyer *f*
articulatus L ?
militaris Bigel D *o*
Canadensis var longicaudatus Engl AS
—— var coarctatus Engl *c*
Luzula
pilosa Willd
campestris DC *c*

TYPHACEÆ.

Typha
latifolia L
Sparganium
simplex Huds
—— var angustifolium Gr *s*

ARACEÆ.

Arisæma
triphyllum Torr *c*
Calla
palustris L *f*
Symplocarpus
fœtidus Salisb *r* GJ
(Acorus)
(Calamus L)

ALISMACEÆ.

Alisma
Plantago var American Gr *f*
Sagittaria
variabilis Engl
[Varieties not distinguish
calycina var spongiosa E *r* JG
graminea Mx *r* D

NAIADACEÆ.

Triglochin
maritimum L *a*
Scheuchzeria
palustris L *r* S
Potamogeton
natans L
Claytonii Tuck
hybridus Mx JS *w*
rufescens Schr S *o*
prælongus Wulf
pusillus var major Fries
[Probably several other speci
Ruppia
maritima L
Naias
flexilis Rostk S *o*

ERIOCAULONACEÆ.

Eriocaulon
septangulare With *f*

CYPERACEÆ.

Dulichium
spathaceum Pers *f*
Heleocharis
Robbinsii Oakes S *wo*
obtusa Schul
palustris RBr
(tenuis Schul G)
acicularis RBr
Scirpus
cæspitosus L *s* P
Clintonii Gr *R* P *w*
pungens Vahl
Eriophorum Mx
atrovirens Muhl
Eriophorum
alpinum L *s* S(Q)
vaginatum L
Virginicum L
polystachyon L
(gracile Koch G)
Rhyncospora
(fusca R&Sch *R* Q)
alba Vahl *c*

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ladium
mariscoides Torr s *wo*
arex
[Few determined; many more species may be looked for, and some of those for which only one locality is given are probably common.]
(pauciflora Lightf M)
Michauxiana Boeck [809]
(folliculata L QM)
intumescens Rudge *
lurida Wahl J [807]
Pseudo-Cyperus var comosa W Boot J
scabrata Schw *
filiformis L (MG)s
—— var latifolia Boeck *
vulgaris Fries A
lenticularis Mx G
maritima Mull *
crinita Lam
Magellanica Lam [775]
limosa L s(QM)
arctata Boot
debilis Mx
gracillima Schw *
flava L
Œderi Ehrh *
palescens L *
conoidea Schk s
laxiflora Lam *
retrocurva Dew s ?
digitalis Willd s ?
Pennsylvanica Lam s
polytrichoides Muhl
(chordorhiza Ehrh M)
stipata Muhl *
rosea Schk J ?
(exilis Dew Q)
echinata var microstachys Boeckl * [756]
canescens L *
—— var alpicola Wahl *
trisperma Dew *
(Norvegica Schk *R* MG)
tribuloides var cristata Bail [760] ?
scoparia Schk *

GRAMINEÆ.

Panicum
capillare L *a*
dichotomum var nitidum Gr J
laxiflorum Lam
crus-galli L a
Setaria
viridis Beauv
Spartina
cynosuroides Willd *f*
stricta var alterniflora Gr
Zizania
aquatica L *s*
Leersia
oryzoides Swz
Anthoxanthum
odoratum L
Hierochloa
borealis R&S *r* *
Alopecurus
pratensis L *
geniculatus L A
—— var aristulatus Munro *s* J [835]
Oryzopsis
asperifolia Mx *f*
Brachyelytrum
aristatum Beauv *r* J(G)
Phleum
pratense L a
Agrostis
scabra Willd
perennans Tuck
canina L F ?
alba L
—— *var vulgaris Th* [846]
Cinna
pendula Trin * [848]
Deyeuxia
Canadensis Beauv *a*
(Deschampsia)
(flexuosa Griseb *r* G)
Avena
striata Mx *c*
Danthonia
spicata Beauv *a*
Phragmites
communis Tr *r* JS
Eatonia
Pennsylvanica Gr *r* J
Poa
annua L
compressa L
serotina Ehrh
alsodes Gr ?
pratensis L
brevifolia Muhl ?
[Apparently several others, both native and introduced.]
Glyceria
Canadensis Trin
elongata Tr *r* D
obtusa Tr s *o*
nervata Tr
arundinacea Kunth [873]
fluitans RBr *f*
maritima Wahl *
Festuca
(duriuscula L G)
elatior var pratensis Gr
Bromus
ciliatus L
Lolium
perenne L r *
Agropyrum
repens Beauv a [885]
caninum R&S s [886]
Hordeum
jubatum L
Elymus
Virginicus L *c*
mollis Tr *r* I(G)

GYMNOSPERMÆ.

CONIFERÆ.

Thuja
occidentalis L *a*
Juniperus
communis L *s*
—— var alpina Gaud M ?
Sabina var procumbens Pursh *r* M
Taxus
baccata var Canadensis Gr
Pinus
Strobus L *a*
resinosa Ait *a*
Picea
nigra Link *a*
alba Link *a*
Tsuga
Canadensis Carr
Abies
balsamea Mars
Larix
Americana Mx *a*

PTERIDOPHYTA.

EQUISETACEÆ.

Equisetum
arvense L
sylvaticum L
limosum L

OPHIOGLOSSACEÆ.

Botrychium
ternatum Swz *f*
Virginianum Swz *s* [930]

FILICES.

Polypodium
vulgare L *f*
Pteris
aquilina L *a*
Asplenium
thelypteroides Mx
Filix-fœmina Bernh *a*
Phegopteris
polypodioides Fee *c*
Dryopteris Fee *c*

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Aspidium
acrostichoides Swz
Noveboracense Swz
(Thelyperis Swz SG)
cristatum Swz
spinulosum var intermedium Eaton *c*
—— var dilatatum Horn *
Cystopteris
fragilis Bernh *s*
bulbifera Bernh *

Onoclea
sensibilis L *c*
Struthiopteris Hoffm [920]
Woodsia
Ilvensis RBr *f*
Dicksonia
pilosiuscula Willd *a* [924]
Osmunda
regalis L *f*
Claytoniana L *c*
cinnamomea L *c*

LYCOPODIACEÆ.
Lycopodium
lucidulum Mx *c*
annotinum L
dendroideum Mx *a*
clavatum L *c*
complanatum L

ISOETACEÆ.
Isoetes
echinospora var Braun Engl J(A)G

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